



## SEQUENCE LISTING

<110> Cory, Suzanne  
Adams, Jerry  
Print, Cris  
Gibson, Leonie  
Koentgen, Frank

<120> A METHOD OF TREATMENT AND AN ANIMAL MODEL USEFUL FOR  
SAME

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<140> 09/508,745  
<141> 2000-07-12

C  
<150> PCT/AU98/00764  
<151> 1998-09-16

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<170> PatentIn Ver. 2.1

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35 40 45

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Ala Gly Asp Glu Phe Glu Thr Arg Phe Arg Arg Thr Phe Ser Asp Leu  
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Gln Val Ser Asp Glu Leu Phe Gln Gly Gly Pro Asn Trp Gly Arg Leu			
85	90	95	
gta gcc ttc ttt gtc ttt ggg gct gca ctg tgt gct gag agt gtc aac		336	
Val Ala Phe Phe Val Phe Gly Ala Ala Leu Cys Ala Glu Ser Val Asn			
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aag gag atg gaa cca ctg gtg gga caa gtg cag gag tgg atg gtg gcc		384	
Lys Glu Met Glu Pro Leu Val Gly Gln Val Gln Glu Trp Met Val Ala			
115	120	125	
tac ctg gag acg cggtt gct gac tgg atc cac agc agt ggg ggc tgg		432	
Tyr Leu Glu Thr Arg Leu Ala Asp Trp Ile His Ser Ser Gly Gly Trp			
130	135	140	
gcg gag ttc aca gct cta tac ggg gac ggg gcc ctg gag gag gcg cggtt		480	
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165	170	175	
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Lys			

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Val Ala Phe Phe Val Phe Gly Ala Ala Leu Cys Ala Glu Ser Val Asn  
 100 105 110

Lys Glu Met Glu Pro Leu Val Gly Gln Val Gln Glu Trp Met Val Ala  
 115 120 125

Tyr Leu Glu Thr Arg Leu Ala Asp Trp Ile His Ser Ser Gly Gly Trp  
 130 135 140

Ala Glu Phe Thr Ala Leu Tyr Gly Asp Gly Ala Leu Glu Glu Ala Arg  
 145 150 155 160

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Ala Val Ala Leu Gly Ala Leu Val Thr Val Gly Ala Phe Phe Ala Ser  
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gcc gct cag cta cac gtg acc cca ggc tca gcc cag caa cgc ttc acc															240			
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cag gtt tcc gac gaa ctt ttc caa ggg ggc cct aac tgg ggc cgt ctt															288			
Gln	Val	Ser	Asp	Glu	Leu	Phe	Gln	Gly	Gly	Pro	Asn	Trp	Gly	Arg	Leu			
															85	90	95	
gtg gca ttc ttt gtc ttt ggg gct gcc ctg tgt gct gag agt gtc aac															336			
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Lys	Glu	Met	Glu	Pro	Leu	Val	Gly	Gln	Val	Gln	Asp	Trp	Met	Val	Ala			
															115	120	125	
tac ctg gag aca cgt ctg gct gac tgg atc cac agc agt ggg ggc tgg															432			
Tyr	Leu	Glu	Thr	Arg	Leu	Ala	Asp	Trp	Ile	His	Ser	Ser	Gly	Gly	Trp			
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gcg gag ttc aca gct cta tac ggg gac ggg gcc ctg gag gag gca cgg															480			
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															145	150	155	160
cgt ctg cgg gag ggg aac tgg gca tca gtg agg aca gtg ctg acg ggg															528			
Arg	Leu	Arg	Glu	Gly	Asn	Trp	Ala	Ser	Val	Arg	Thr	Val	Leu	Thr	Gly			
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gcc gtg gca ctg ggg gcc ctg gta act gta ggg gcc ttt ttt gct agc															576			
Ala	Val	Ala	Leu	Gly	Ala	Leu	Val	Thr	Val	Gly	Ala	Phe	Phe	Ala	Ser			
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aag	tg																	581
Lys																		
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Phe																		
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Gly																		
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Lys																		
Leu																		
Arg																		
Gln																		
Lys																		
Gly																		
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Pro Gly Glu Gly Pro Ala Ala Asp Pro Leu His Gln Ala Met Arg Ala  
35 40 45

Ala Gly Asp Glu Phe Glu Thr Arg Phe Arg Arg Thr Phe Ser Asp Leu  
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Ala Ala Gln Leu His Val Thr Pro Gly Ser Ala Gln Gln Arg Phe Thr  
65 70 75 80

Gln Val Ser Asp Glu Leu Phe Gln Gly Gly Pro Asn Trp Gly Arg Leu  
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Val Ala Phe Phe Val Phe Gly Ala Ala Leu Cys Ala Glu Ser Val Asn  
100 105 110

Lys Glu Met Glu Pro Leu Val Gly Gln Val Gln Asp Trp Met Val Ala  
115 120 125

Tyr Leu Glu Thr Arg Leu Ala Asp Trp Ile His Ser Ser Gly Gly Trp  
130 135 140

Ala Glu Phe Thr Ala Leu Tyr Gly Asp Gly Ala Leu Glu Glu Ala Arg  
145 150 155 160

Arg Leu Arg Glu Gly Asn Trp Ala Ser Val Arg Thr Val Leu Thr Gly  
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Phe Val Gly Tyr Lys Leu Arg Gln Lys Gly Tyr Val Cys Gly Ala Gly  
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ccc ggg gag ggc cca gca gct gac ccg ctg cac caa gcc atg cg <sup>g</sup> gca		144
Pro Gly Gly Pro Ala Ala Asp Pro Leu His Gln Ala Met Arg Ala		
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85	90	95
gta gcc ttc ttt ctc ttt ggg gct gca ctg tgt gct gag agt gtc aac		336
Val Ala Phe Phe Leu Phe Gly Ala Ala Leu Cys Ala Glu Ser Val Asn		
100	105	110
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Lys Glu Met Glu Pro Leu Val Gly Gln Val Gln Glu Trp Met Val Ala		
115	120	125
tac ctg gag acg cgg ctg gtc gac tgg atc cac agc agt ggg ggc tgg		432
Tyr Leu Glu Thr Arg Leu Val Asp Trp Ile His Ser Ser Gly Gly Trp		
130	135	140
g <sup>c</sup> g gag ttc aca gct cta tac ggg gac ggg gcc ctg gag gag g <sup>c</sup> g cgg		480
Ala Glu Phe Thr Ala Leu Tyr Gly Asp Gly Ala Leu Glu Glu Ala Arg		
145	150	155
160		
cgt ctg cgg gag ggg aac tgg gca tca gt <sup>g</sup> agg aca gt <sup>g</sup> ctg acg ggg		528
Arg Leu Arg Glu Gly Asn Trp Ala Ser Val Arg Thr Val Leu Thr Gly		
165	170	175
gcc gt <sup>g</sup> gca ctg ggg gcc ctg gta act gta ggg gcc ttt ttt gct agc		576
Ala Val Ala Leu Gly Ala Leu Val Thr Val Gly Ala Phe Phe Ala Ser		
180	185	190
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Lys		

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Ala Ala Gln Leu His Val Thr Pro Gly Ser Ala Gln Gln Arg Phe Thr  
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Gln Val Ser Asp Glu Leu Phe Gln Gly Gly Pro Asn Trp Gly Arg Leu  
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Val Ala Phe Phe Leu Phe Gly Ala Ala Leu Cys Ala Glu Ser Val Asn  
      100                     105                     110

Lys Glu Met Glu Pro Leu Val Gly Gln Val Gln Glu Trp Met Val Ala  
      115                     120                     125

Tyr Leu Glu Thr Arg Leu Val Asp Trp Ile His Ser Ser Gly Gly Trp  
      130                     135                     140

Ala Glu Phe Thr Ala Leu Tyr Gly Asp Gly Ala Leu Glu Glu Ala Arg  
      145                     150                     155                     160

Arg Leu Arg Glu Gly Asn Trp Ala Ser Val Arg Thr Val Leu Thr Gly  
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cct ggg gaa ggc cca gcc gac ccg ctg cac caa gcc atg cg <sup>g</sup> gct			144
Pro Gly Glu Gly Pro Ala Ala Asp Pro Leu His Gln Ala Met Arg Ala			
35	40	45	
gct gga gac gag ttt gag acc cgt ttc cgc cgc acc ttc tct gac ctg			192
Ala Gly Asp Glu Phe Glu Thr Arg Phe Arg Arg Thr Phe Ser Asp Leu			
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gcc gct cag cta cac gtg acc cca ggc tca gcc cag caa cgc ttc acc			240
Ala Ala Gln Leu His Val Thr Pro Gly Ser Ala Gln Gln Arg Phe Thr			
65	70	75	80
cag gtt tcc gac gaa ctt ttc caa ggg ggc cct aac tgg ggc cgt ctt			288
Gln Val Ser Asp Glu Leu Phe Gln Gly Gly Pro Asn Trp Gly Arg Leu			
85	90	95	
gtg gca ttc ttt gtc ttt ggg gct gcc ctg tgt gct gag agt gtc aac			336
Val Ala Phe Phe Val Phe Gly Ala Ala Leu Cys Ala Glu Ser Val Asn			
100	105	110	
aaa gaa atg gag cct ttg gtg gga caa gtc cag gat tgg atc gtg gcc			384
Lys Glu Met Glu Pro Leu Val Gly Gln Val Gln Asp Trp Ile Val Ala			
115	120	125	
tac ctg gag aca cgt ctg gct gac tgg atc cac agc agt ggc ggc tgg			432
Tyr Leu Glu Thr Arg Leu Ala Asp Trp Ile His Ser Ser Gly Gly Trp			
130	135	140	
gcg gac ttc aca gct cta tac ggg gac ggg gcc ctg gag gac gca cgg			480
Ala Asp Phe Thr Ala Leu Tyr Gly Asp Gly Ala Leu Glu Asp Ala Arg			
145	150	155	160
cgt ctg cgg gag ggc aac tgg gca tca gtg agc aca gtg gtg acg ggg			528
Arg Leu Arg Glu Gly Asn Trp Ala Ser Val Ser Thr Val Val Thr Gly			
165	170	175	
gcc gtg gca ctg ggg gcc ctg gta act gta ggg gcc ttt ttt gct agc			576
Ala Val Ala Leu Gly Ala Leu Val Thr Val Gly Ala Phe Phe Ala Ser			
180	185	190	
aag tg			581
Lys			

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35 40 45  
Ala Gly Asp Glu Phe Glu Thr Arg Phe Arg Arg Thr Phe Ser Asp Leu  
50 55 60  
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65 70 75 80  
Gln Val Ser Asp Glu Leu Phe Gln Gly Gly Pro Asn Trp Gly Arg Leu  
85 90 95  
Val Ala Phe Phe Val Phe Gly Ala Ala Leu Cys Ala Glu Ser Val Asn  
100 105 110  
Lys Glu Met Glu Pro Leu Val Gly Gln Val Gln Asp Trp Ile Val Ala  
115 120 125  
Tyr Leu Glu Thr Arg Leu Ala Asp Trp Ile His Ser Ser Gly Gly Trp  
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Ala Val Ala Leu Gly Ala Leu Val Thr Val Gly Ala Phe Phe Ala Ser  
180 185 190  
Lys